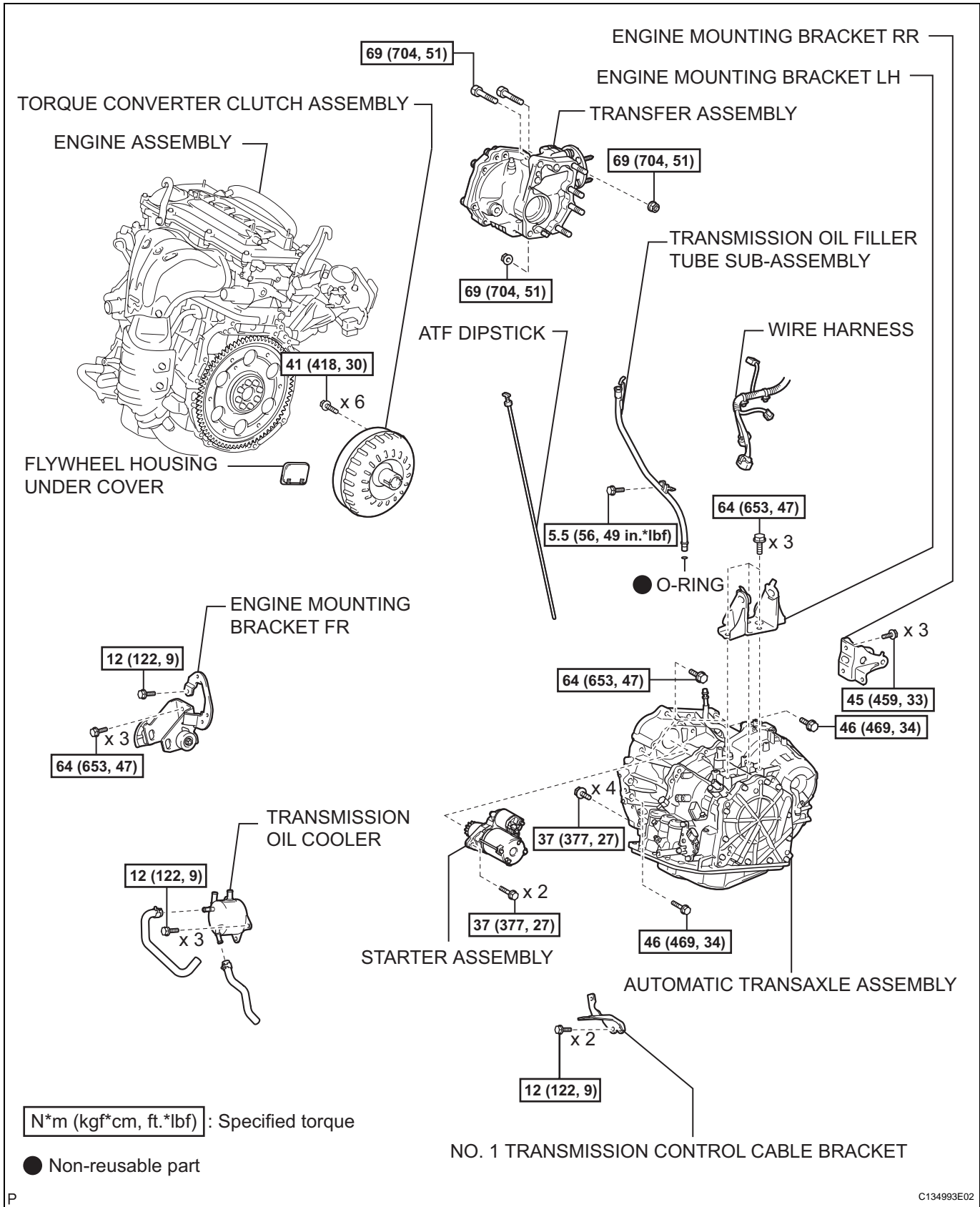


AUTOMATIC TRANSAXLE ASSEMBLY

COMPONENTS



REMOVAL

1. REMOVE ENGINE ASSEMBLY WITH TRANSAXLE

- (a) Remove the engine with transaxle (see page [EM-98](#)).

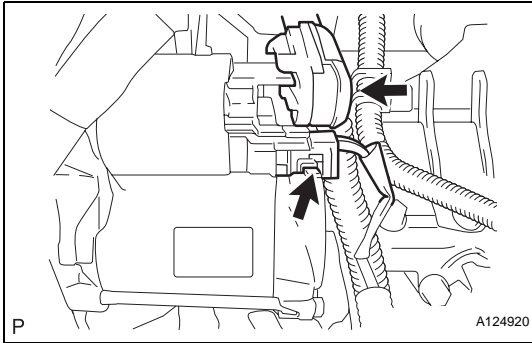
2. DRAIN AUTOMATIC TRANSAXLE FLUID

- (a) Remove the drain plug and gasket, and drain ATF.
(b) Install a new gasket and the drain plug.

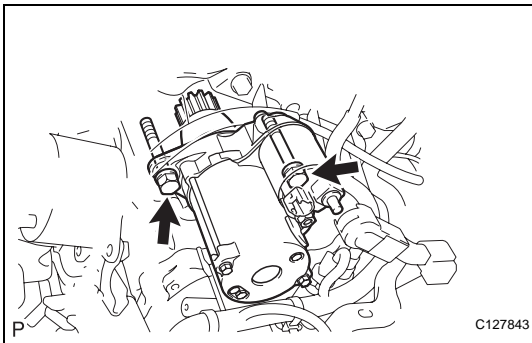
Torque: 47 N*m (479 kgf*cm, 35 ft.*lbf)

3. REMOVE STARTER ASSEMBLY

- (a) Disconnect the starter connector.
(b) Open the terminal cap, and remove the nut and disconnect the starter wire.

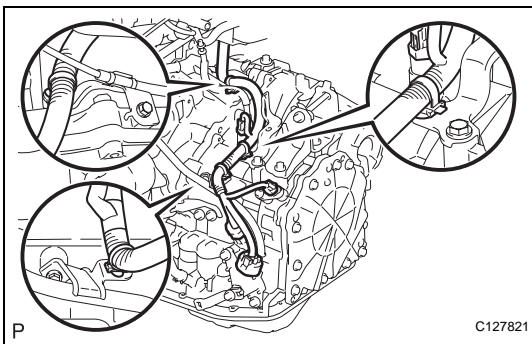


- (c) Remove the 2 bolts and starter.



4. DISCONNECT WIRE HARNESS

- (a) Disconnect the park/neutral position switch connector.
(b) Disconnect the transaxle wire connector.
(c) Disconnect the 2 speed sensor connectors.
(d) Disconnect the wire harness clamps.

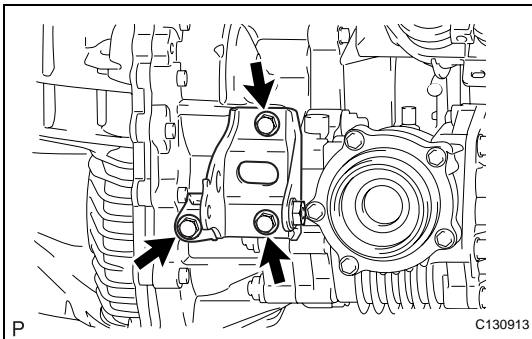


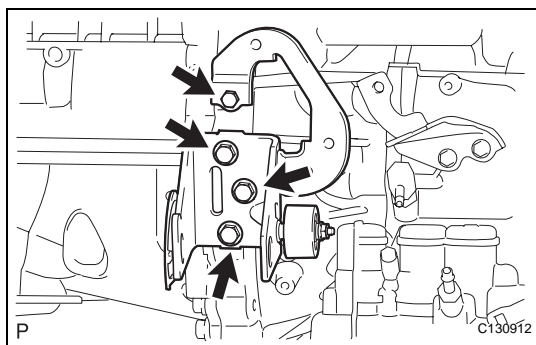
5. REMOVE TRANSMISSION OIL COOLER

- (a) Remove the oil cooler (see page [AX-127](#)).

6. REMOVE ENGINE MOUNTING BRACKET RR

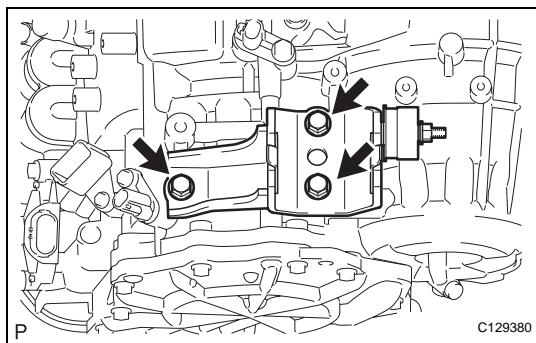
- (a) Remove the 3 bolts and mounting bracket.





7. REMOVE ENGINE MOUNTING BRACKET FR

- (a) Remove the 4 bolts and mounting bracket.

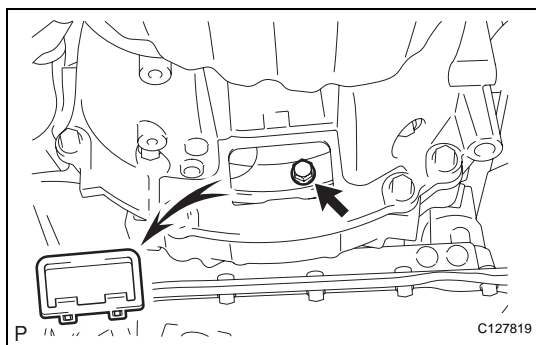


8. REMOVE ENGINE MOUNTING BRACKET LH

- (a) Remove the 3 bolts and mounting bracket.

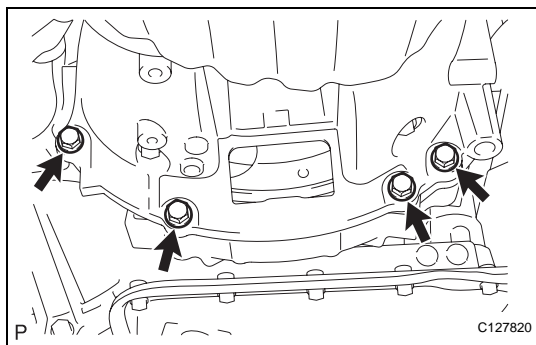
9. REMOVE TRANSFER ASSEMBLY

- (a) Remove the transfer (see page [TF-59](#)).

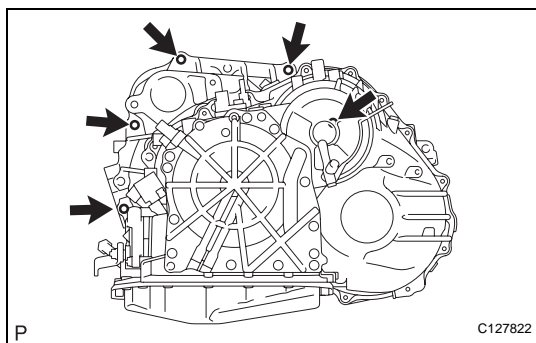


10. REMOVE AUTOMATIC TRANSAXLE ASSEMBLY

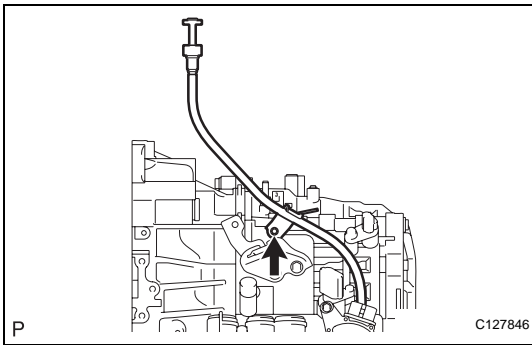
- (a) Remove the flywheel housing under cover.
 (b) Turn the crankshaft to gain access and remove the 6 bolts while holding the crankshaft pulley bolt with a wrench.



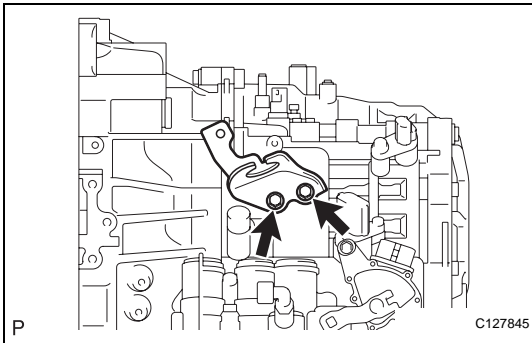
- (c) Remove the 4 lower side mounting bolts.



- (d) Remove the 5 upper side mounting bolts.
 (e) Separate and remove the automatic transaxle.

**11. REMOVE TRANSMISSION OIL FILLER TUBE SUB-ASSEMBLY**

- (a) Remove the ATF dipstick.
- (b) Remove the bolt and oil filler tube.

**12. REMOVE NO. 1 TRANSMISSION CONTROL CABLE BRACKET**

- (a) Remove the 2 bolts and cable bracket.

13. REMOVE TORQUE CONVERTER CLUTCH ASSEMBLY

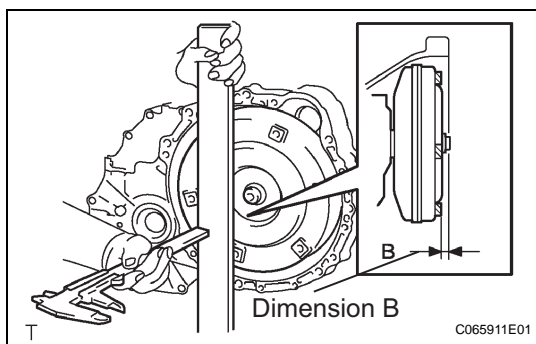
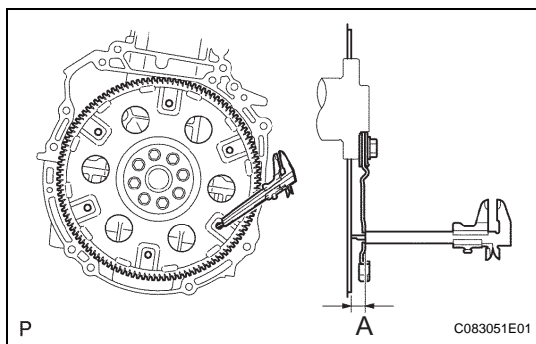
INSTALLATION

1. INSPECT TORQUE CONVERTER CLUTCH ASSEMBLY

- (a) Inspect the torque converter (see page [AX-153](#)).

2. INSTALL TORQUE CONVERTER CLUTCH ASSEMBLY

- (a) Install the torque converter clutch to the automatic transaxle.
- (b) Using a vernier caliper, measure dimension A between the transaxle and the end surface of the drive plate.



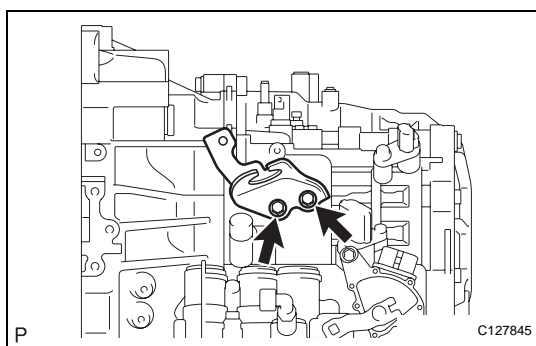
- (c) Using a vernier caliper and straightedge, measure the dimension B shown in the illustration and check that B is greater than A.

Standard dimension:

A + 1.0 mm (0.039 in.) or more

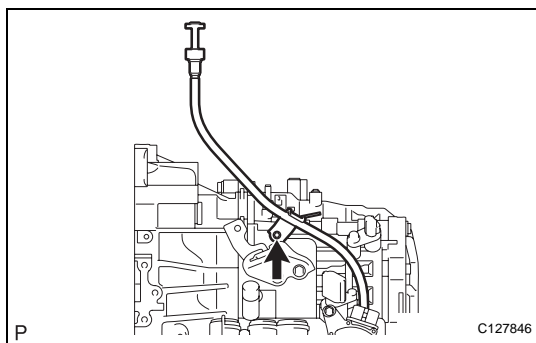
3. INSTALL NO. 1 TRANSMISSION CONTROL CABLE BRACKET

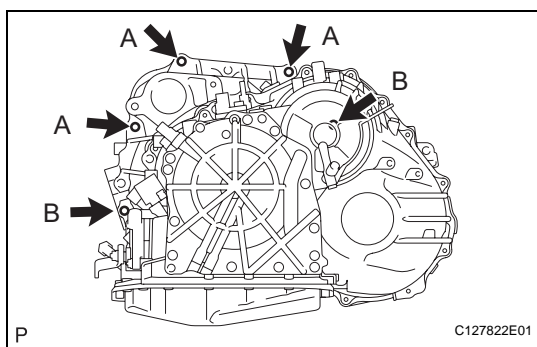
- (a) Install the cable bracket with the 2 bolts.
Torque: 12 N*m (122 kgf*cm, 9 ft.*lbf)



4. INSTALL TRANSMISSION OIL FILLER TUBE SUB-ASSEMBLY

- (a) Install the filler tube with the bolt.
- (b) Install the filler tube with the bolt.
Torque: 5.5 N*m (56 kgf*cm, 49 in.*lbf)
- (c) Install the ATF dipstick.

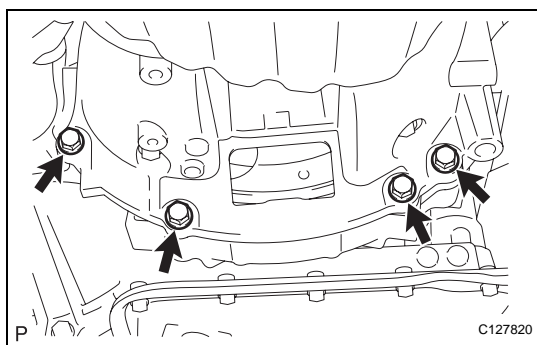




5. INSTALL AUTOMATIC TRANSAXLE ASSEMBLY

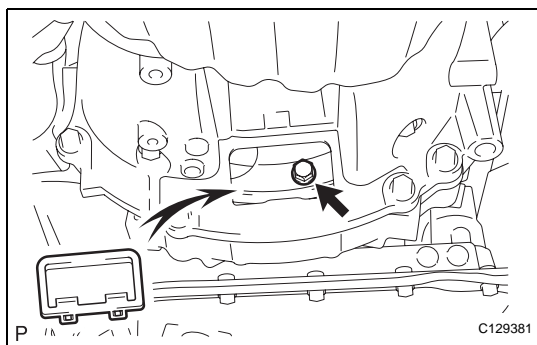
- (a) Install the automatic transaxle with the 5 upper side mounting bolts to the engine.

Torque: 64 N*m (653 kgf*cm, 47 ft.*lbf) for bolt A
46 N*m (469 kgf*cm, 34 ft.*lbf) for bolt B



- (b) Install the 4 lower side mounting bolts.

Torque: 37 N*m (377 kgf*cm, 27 ft.*lbf)



- (c) Install the 6 torque converter clutch mounting bolts.

Torque: 41 N*m (418 kgf*cm, 30 ft.*lbf)

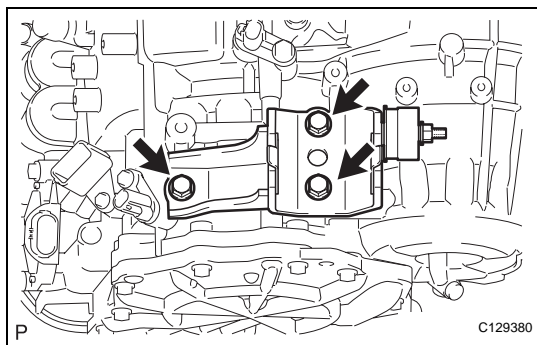
HINT:

First install the green colored bolt and then the 5 bolts.

- (d) Install the flywheel housing under cover.

6. INSTALL TRANSFER ASSEMBLY

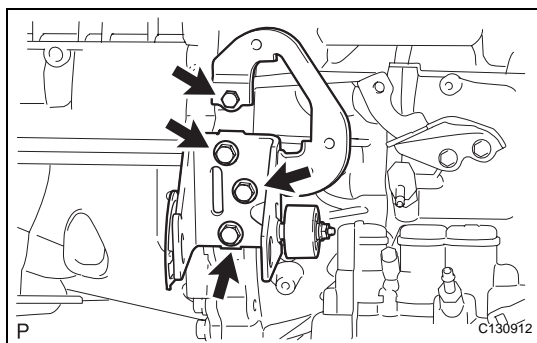
- (a) Install the transfer (see page [TF-75](#)).



7. INSTALL ENGINE MOUNTING BRACKET LH

- (a) Install the mounting bracket with the 3 bolts.

Torque: 64 N*m (653 kgf*cm, 47 ft.*lbf)

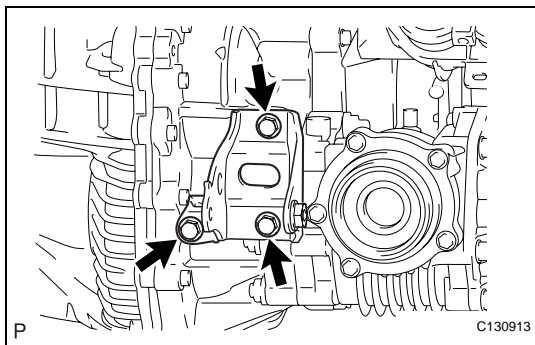


8. INSTALL ENGINE MOUNTING BRACKET FR

- (a) Install the mounting bracket with the 4 bolts.

Torque: 64 N*m (653 kgf*cm, 47 ft.*lbf) for 14 mm head bolt

Torque: 12 N*m (122 kgf*cm, 9 ft.*lbf) for 12 mm head bolt

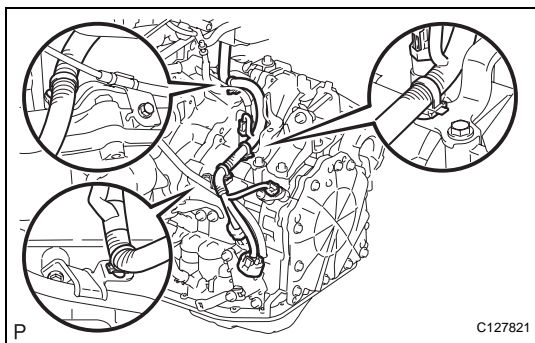


9. INSTALL ENGINE MOUNTING BRACKET RR

- (a) Install the mounting bracket with the 3 bolts.
Torque: 45 N*m (459 kgf*cm, 33 ft.*lbf)

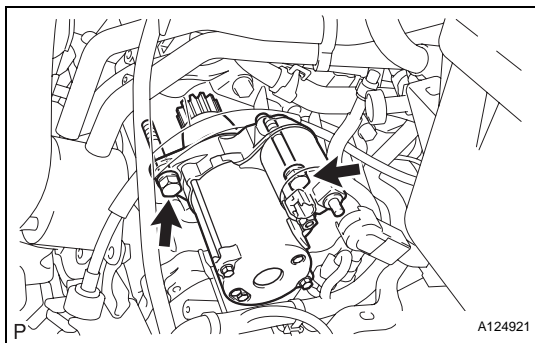
10. INSTALL TRANSMISSION OIL COOLER

- (a) Install the oil cooler (see page [AX-127](#)).



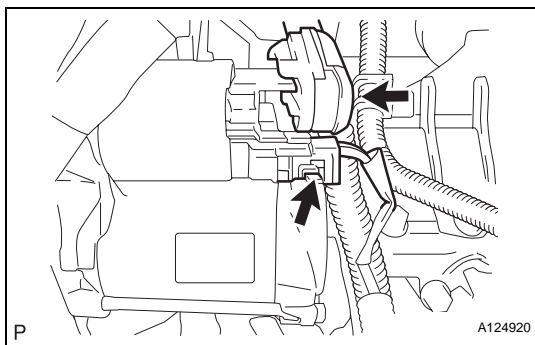
11. CONNECT WIRE HARNESS

- (a) Connect the wire harness clamps.
 (b) Connect the 2 speed sensor connectors.
 (c) Connect the transaxle wire connector.
 (d) Connect the park/neutral position switch connector.



12. INSTALL STARTER ASSEMBLY

- (a) Install the starter with the 2 bolts.
Torque: 37 N*m (377 kgf*cm, 27 ft.*lbf)



- (b) Connect the starter wire with the nut.
Torque: 13 N*m (133 kgf*cm, 10 ft.*lbf)
 (c) Connect the starter connector.
 (d) Install the terminal nut and cover the nut with the cap.
Torque: 9.8 N*m (100 kgf*cm, 7 in.*lbf)

13. INSTALL ENGINE ASSEMBLY WITH TRANSAXLE

- (a) Install the engine with transaxle. (see page [EM-105](#)).

14. ADD AUTOMATIC TRANSAXLE FLUID

Fluid type:

Toyota Genuine ATF WS

15. INSPECT AUTOMATIC TRANSAXLE FLUID

- (a) Inspect the automatic transaxle fluid (see page [AX-102](#)).

16. PERFORM RESET MEMORY

- (a) Perform the RESET MEMORY procedures (A/T initialization) (see page [AX-18](#)).